The National Future Farmer

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December-January, 1970-71

Building.

We think the word above is descriptive of our most important function in the American economy.

In a literal sense, we are about to erect the most modern headquarters and trading floor complex of any exchange in the world. It will be located in the all-new Gateway Center in downtown Chicago. An artist's rendering appears above.

In a larger sense, we have been building for years, creating liquid markets for commodities so that growers, farmers, processors and the public may buy, sell and exchange them freely, in accordance with their needs. We believe that providing such a marketplace has helped to create the abundance of beef, pork, eggs, potatoes and other commodities that this nation enjoys.

Obviously, we feel there's a great future in what we do, for ourselves and for America.

That's why we're building.

CHICAGO MERCANTILE EXCHANGE
110 North Franklin Street, Chicago, Illinois 60606

The National
Future Farmer

VOLUME 19 NUMBER 2 DECEMBER-JANUARY 1970-71

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Our Cover

Adjusting the coulter while fall plowing is Steve Barton of Plain City, Ohio. He says fall plowing is a real advantage on his heavy soil for giving him corn yields of over 200 bushels per acre. Steve is secretary of the Jonathan Alder Chapter where Mr. James Adams is advisor.

Photo by Ralph Woodin

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FFA Convention

WHO said agriculture is a dying industry? This year's National FFA Convention is living proof to the contrary. Attendance was over 14,000, making it the largest Convention ever. The enthusiasm was just great.

A few of the highlights are covered in this issue. Full details will be published in the Convention Proceedings which will be out around the first of the year. The Proceedings are mailed to the state offices, enough for each chapter to have a copy.

One item of business approved by the delegates is of interest to all those who plan to attend the Convention next year. That's a $3.00 registration fee. As the Convention has grown, and with added inflation, the costs of conducting such a large Convention has put quite a strain on the FFA budget. The feeling seemed to be that by charging a registration fee, the Convention would be put more nearly on a pay-its-own-way basis.

Some—but not all—of the proposed amendments to the Constitution and Bylaws were passed including the proposal to broaden the opportunity for collegiate chapters to all two- and four-year institutions where agriculture is taught. Another advanced the final date states can submit national dues from June 15 to May 1; and another authorized the deletion of the word "his" from the Constitution and Bylaws.

Receives Honorary Degree

We hope you shared our pleasure in seeing fellow staffer Jack Pitzer receive the Honorary American Farmer Degree at the National FFA Convention. Jack is an associate editor for the magazine and his

duties include responsibility for the Official FFA Calendar program and FFA WEEK. A former FFA member from Toulon, Illinois, Jack is a graduate of the University of Illinois with a degree in agriculture and communications.

Wilson Carnes, Editor

I WANTED TO BE AN ARTIST!

BOY, I WISH I COULD DRAW LIKE THAT!
BILL, IF YOU'RE INTERESTED IN LEARNING ART, SEND FOR THIS ART TALENT TEST- IT'S HOW I GOT STARTED!
I MAILED IN FOR THE ART TALENT TEST AND TOOK IT RIGHT IN MY OWN ROOM
HEY! THIS TALENT TEST IS FUN! I CAN'T MISS I BET!
LATER-
WHY SON, THESE DRAWINGS OF YOURS ARE REALLY GOOD!
SUCCESS!! I STARTED MAKING MONEY AS AN ARTIST EVEN BEFORE I'D FINISHED ALL THE LESSONS!
HMM. THE NEW MAN IS SHOWING GREAT PROMISE. LET ME KNOW HOW HE GETS ALONG!

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Looking Ahead

Livestock

BEEF COUNCIL—The beef breed registries formed a new industry wide council to represent the 145,000 purebred beef cattle producers. The organization is called the U.S. Beef Breeds Council and will be primarily concerned with communications between all segments of the beef industry. Active membership is open to all beef registry associations recognized by the National Society of Live Stock Records Associations.

TRANSATLANTIC BIRTH—Three pigs were recently born in England while their mother stayed at home in Canada reports the USDA's *Foreign Agriculture*. The reason: transatlantic transfer of fertilized pig eggs. Fertilized eggs have been transferred before from one female to another but not with a 3,000 mile plane trip in between.

Crops

PESTICIDE AGENCY—A new government agency for registering pesticides, the Environmental Protection Agency (EPA), is scheduled to open December 2, 1970. The agency will replace the tolerance setting division of the Food and Drug Administration. The EPA will handle the registration of herbicides and insecticides within the USDA and all former registration duties of the department.

CORN CROP—Corn for grain is now forecast at 4,180 million bushels, about 3 million bushels above the special USDA corn forecast of September 23, following the nation's corn blight damage. This forecast is 13 percent, that is 632 million bushels, below the July 1 estimate. This means that total corn production will be about 9 percent, or 390 million bushels, lower than 1969 yields, and 5 percent less production than in 1968.

Machinery

OIL CLASSIFICATIONS—Eight new engine service classifications for motor oils have been announced by the American Petroleum Institute. The new classifications, which will replace the five current designations, are separated into two groups; "S" designation for passenger cars and light trucks, and "C" designation for heavier vehicles operated by fleet owners, contractors, farmers, and stationary power plants. The "S" service classification includes: SA—for utility gasoline and diesel engines; SB—for minimum duty gasoline engines; SC—for 1964 gasoline engine warranty service; and SD—for 1968 gasoline engine warranty service. The "C" classification lists: CA—for light duty diesel engines; CB—for moderate duty diesel engines; CC—for moderate duty diesel engines and gasoline engines; and CD—for severe duty diesel engine service.

EQUIPMENT COSTS—For every $1,000 an American farmer had tied up in machinery ten years ago, he will now have about $1,500 invested. Annual costs of owning a piece of equipment have also risen to about 15 percent of the initial purchase price. This may explain why many farmers are considering renting or leasing equipment as opposed to outright ownership as they look ahead at their replacement needs.

Management

REAL ESTATE—Nationally, the value of farm real estate rose another 4 percent during this year. However, this is smallest advance in seven years. Tight money plus uncertainty over future government programs for agriculture gets credit for the slowdown. Market values in many states remain relatively the same, but real estate values increased sharply in Pennsylvania, New Jersey, New Hampshire, Maryland, and Florida, while they declined slightly in Indiana, Illinois, Kansas, and North Carolina.

A FREE MOVIE

"men who feed the world"

the story of Jimmy Carter and his Brown Swiss calf Heida . . .

This is a story that really happened . . . of a calf that really did exist . . . really did win a prize ribbon . . . and really was fed Florida Citrus Pulp in her feeding program. This full color 16mm film, with a running time of 14 minutes, is available for showing to all clubs and organizations. Just fill in the coupon and we will ship you the film with enough Citrus Pulp Brochures for each member of your group.

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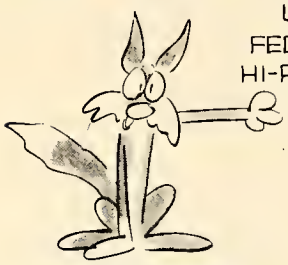
A FEDERAL CASE

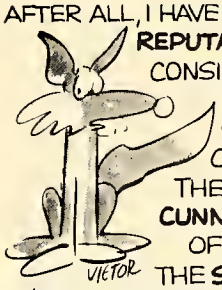
MY **SELF-CONTROL** IS SLIPPING AWAY. MAYBE IF I JUST SIT QUIETLY AND **CONCENTRATE** ON ONE THING.

THIS MORNING THAT **OVER-ACHIEVER** DOWN THE ROAD WAS OUT PLINKING. USING FEDERAL HI-POWER 22'S.



I THINK THAT'S WHEN THE **HEADACHE** STARTED. RIGHT BEFORE MY EYES HE PICKED OFF A RABBIT I'VE BEEN STALKING FOR DAYS. I FELT **THREATENED.**

AFTER ALL, I HAVE MY **REPUTATION** TO CONSIDER. POETS AND STATESMEN CALL ME THE MOST **CUNNING** BEAST OF PREY. THE **SLY** FOX.



IT'S A GOOD THING THAT POETS AND STATESMEN DON'T KNOW MUCH ABOUT HUNTING.

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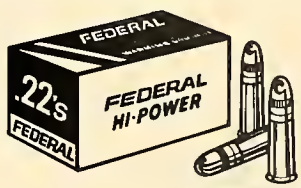

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FEDERAL AMMUNITION

Former Vo-ag Student Wins Nobel Peace Prize

THE 1970 Nobel Peace Prize has been awarded to Dr. Norman E. Borlaug, a 1932 vocational agriculture graduate of Cresco, Iowa. Dr. Borlaug, 56, received the $78,000 prize for developing a remarkable kind of wheat that sowed the seeds for the "Green Revolution." The successful use of improved wheat seed, new varieties of rice, and more efficient use of fertilizer and irrigation in less developed countries for providing larger food supplies is generally referred to as the "Green Revolution."

Most of Dr. Borlaug's work has been done in Mexico beginning about 26 years ago. He joined the Rockefeller Foundation in 1944 after working for E. I. du Pont de Nemours and was attached to the Foundation's agricultural research project. Dr. Borlaug later became leader of the project and is now a director at the Rockefeller Foundation and heads a team of scientists from 17 nations at the Rockefeller Agricultural Institute in Atizapan, Mexico.

Mexican wheats were highly susceptible to rust when Dr. Borlaug came to the country. The pathologist tried to obtain a small number of multilineal wheats, that is varieties with general rather than specific adaptation. After 13 years he finally developed a highly improved, disease-resistant wheat. The wheat was also light-insensitive and therefore suitable for multicropping.

But Mexican wheats were still thin-stemmed, low yielding varieties, unable to survive winds, floods, and high fertilization. Dr. Borlaug, who had obtained some Japanese dwarf strains about four years earlier, proceeded to cross the short-strawed wheats with his Mexican varieties. Experimenting in hot low fields and high cooler climates, the scientist produced a high yielding wheat suitable for all of Mexico. As a result, Mexico's national average wheat yields rose from 11½ bushels per acre in 1943 to 30 bushels per acre in 1963. Dr. Borlaug is currently working on a "triple" dwarf wheat which he was checking the day he received news of his international recognition.

The one-time Iowa farm boy's great desire to bring together the research findings of all scientific disciplines—pathology, genetics, soil fertility, plant response, weed control, irrigation and adoption—has brought about many dynamic wheat production programs. Mexico is rapidly becoming self-sufficient in wheat production because of Dr. Borlaug's work. India, too, is now on the verge of meeting its own wheat needs while West Pakistan has already achieved ample wheat production since growing adaptations of the scientist's remarkable wheat. Dr. Borlaug's work was also instrumental in causing Rockefeller and Ford Foundations to join in an international rice improvement program, primarily in the Far East, that is headquartered in the Philippines.

Dr. Borlaug credits his vo-ag instructor, the late Mr. Harry R. Schroeder, for influencing his career choice. Mr. Schroeder encouraged Dr. Borlaug to enter the field of agriculture and the scientist went on to study at the University of Minnesota. Two years ago when Mr. Schroeder lost his life on a fishing trip in Canada, Dr. Borlaug flew to Iowa from Pakistan to participate in a memorial program to his teacher.

Dr. Borlaug, son of Mr. & Mrs. Henry O. Borlaug now living in the Evans Memorial Home for the Aged at Cresco, resides in Mexico City.

Dr. Borlaug is happiest with his wheat.
World Wide Photo

Yamaha's Mini-Enduro.

Just don't expect the kid to believe you. One glance at the new Yamaha Mini-Enduro and he'll catch on that this mini isn't just for kids. It's 121 pounds of real Enduro,® built like the big ones.

It doesn't even have those funky little wheels. Instead, there are 15-inch spoke wheels and big-bike handling to match. There are Enduro front forks and a full swing-arm rear suspension, mounted on a full double-loop cradle frame. It's no toy. With big-bike design and spark arrester exhaust, it's a real off-road machine, Federal Forestry approved. Even if you wanted to, you couldn't license it for the street.

It's got performance that'll make the itty-bitty minis eat dust, too. A 60 cc rotary valve single combines with a 4-speed constant mesh gearbox to do it. And Autolube oil injection is an added bit of class that insures perfect lubrication all the time.

It's a safety-engineered machine, too. Full one-piece handlebars won't fold or shift when the going gets rough. A special kill button is provided for emergency stops. And big drum brakes, front and rear, are sealed to keep out dust and water.

For the kid? Ho ho ho.

Tell yourself it's for the kid.

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Highlighting the National Convention

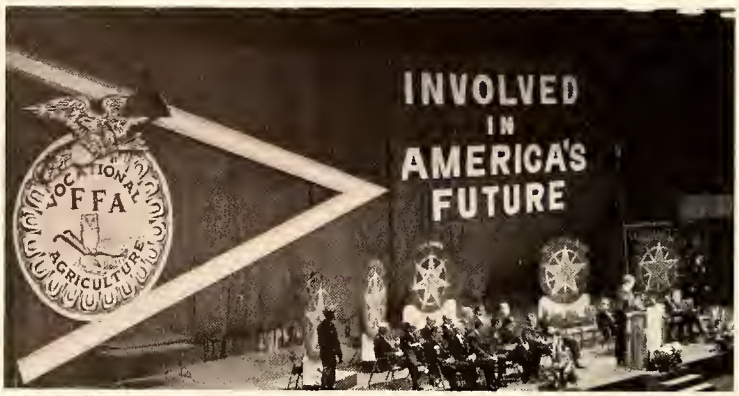
This Tops Them All

A record attendance of over 14,500 Future Farmers and adult leaders from all over the United States registered at the Forty-third National FFA Convention. Those in attendance observed national judging and speaking contests, took in the presentation of many awards, and listened to a host of speakers.

Beginning with the vespers program on Tuesday night, the feature speaker was Kansas City Chiefs' quarterback, Len Dawson. The keynote speaker on Wednesday morning was Louis Strong, president of the National Rural Electric Cooperative Association. Other scheduled speakers were: Mr. James Smith, Administrator of the Farmers Home Administration; Dr. Leon Minear, Director of the Division of Vocational and Technical Education, U.S. Office of Education; Honorable Ed Jones, U.S. Congressman from Tennessee; Honorable Robert Ray, Governor of Iowa; and Fess Parker, television and movie star. Unscheduled speakers making appearances at the Convention were: Art Linkletter, a well known television personality and Larry Storch of the TV program, "F Troop."

For the first time the American Royal Queen was coronated in a special pageant during the final session. Maryland FFA Association's nominee, Karen Kemp, of Princess Anne, Maryland, was selected as the American Royal Queen. Karen is also Miss "AIC" Youth Scholar for 1971.

Other highlights of the Convention program were the musical numbers provided by the "mail order" 126-member National FFA Band and the 97-member National FFA Chorus. Special entertainment provided by Firestone Tire and Rubber Company included Red Blanchard, formerly of the "WLS National Barn Dance."



Photos by Arch Hardy, Wally Vog, Bill Cranford, and Ron Miller

Frederick McClure, left, of Texas sang the National Anthem to open the 43rd Convention and the many colorful and festive ceremonies, right, which followed.

National Public Speakers

President Birdwell, left, congratulates Kevin Hall, Gaithersburg, Maryland, for winning first place and, center to right, Dennis Dammen, Paul Tew, and Jerry Goolsby who placed next respectively.

New Sponsoring Committee Chairman

Fred Stines, publisher of *Successful Farming*, Meredith Publishing Company, Des Moines, Iowa, has been named as the 1971 Chairman of the FFA Foundation Sponsoring Committee. He succeeds Sam White, Jr., vice president, Transmission Products Group, Borg-Warner Company.

As Chairman of the Sponsoring Committee, Mr. Stines' primary responsibility will be to organize and coordinate the FFA Foundation's effort to provide funds for the FFA incentive awards program. A goal of $300,000 has been set for 1971.

FFA Honors Adults

The FFA honored many adults who have contributed to the organization. Five persons received "VIP Citations" given for the first time. They were: L. W. Davis, Executive Officer for the Allis-Chalmers Manufacturing Company; Mr. & Mrs. C. L. Venard, producers of the Four Star Farmer Films; Roderick Turnbull, Agricultural Editor of the *Kansas City Star*, and E. J. Johnson, retired Program Specialist of the U.S. Office of Education.

Organizations receiving Distinguished Service Citations from the FFA were the National Association of Broadcasters and the American Royal Livestock and Horse Show. Distinguished Service awards were presented to 20 men and women by the FFA. Forty men in education, government, business and industry, and 26 teachers of vocational agriculture received the Honorary American Farmer Degree.

Plaques were also presented to 14 sponsors who have supported the FFA Foundation for 15 and 25 years. Other sponsors to the Foundation were recognized in a special seating section. International Students were honored, too.

Ag Career Show

Career exhibits by 33 professional societies and trade associations attracted the interest of most conventioners.

New National Officers

The new 1970-71 National President of the FFA is **Dan Lehmann** of Pleasant Plains, Illinois. Dan lives on a 400-acre grain and livestock farm and is currently studying agriculture at the University of Illinois. His farming program includes a 90-head hog operation, 5 quarter horses, beef cattle, and corn. In FFA, Dan participated in judging contests, leadership conferences, and was president of the Illinois FFA Association. He also served as class president in his junior and senior years in high school and held chapter offices.

John McCulley was elected National FFA Secretary. He is a member of the Lost River Chapter at Malin, Oregon, and lives on a 120-acre farm. John is studying to be a vocational agriculture instructor at Oregon State University where he is president of the collegiate FFA. He previously served as state association secretary and worked as assistant producer of a daily radio program called "The Noon Hour" for Oregon Educational Broadcasting. His farming program includes a 400-head hog feeding enterprise and a small beef herd.

Highest Degree

Through this arch passed 471 members who earned the American Farmer degree.

Newly elected National Officers, left, Dan Lehmann, Wayne Humphreys, Jim Beard, George Allen, John McCulley, and Dan Dooley visited the "Building Our American Communities" booth.

Merrill Kelsay, Star Farmer

Star Agribusinessman Earl Weaver

Stars of the FFA

Star Farmer of America, the nation's top award for a young farmer, was presented to Merrill Kelsay, a member of the Whiteland, Indiana, Chapter. Merrill, a crop and dairy farmer, received a $1,000 FFA Foundation award.

Merrill shared the spotlight with three Regional Star American Farmers who received checks of $500 each. They were: Albert C. Wildes, Hazlehurst, Georgia, member of the Jeff Davis FFA; Jay Brian Scharf, Amity, Oregon, member of the Perrydale Chapter, and Robert Lee Weaver, Strasburg, Pennsylvania, member of the Garden Spot FFA.

Earl M. Weaver of Middletown, Pennsylvania, was named Star Agribusinessman of America. Earl, a member of the Upper Bucks Tech FFA Chapter, received a $1,000 award for work in a variety of agribusiness jobs.

Also sharing the spotlight with Earl were three Regional Star Agribusinessmen who each received FFA Foundation checks for $500. They were: Jerry L. Williamson, Jacksonville, Florida, a member of the Paxon Chapter; Merle Eugene Klotz, member of the Bowling Green, Ohio, Chapter, and Lynn Allan Scott, Gaston, Oregon, a member of the Forest Grove FFA.

(Stories of Regional Star Farmers and Agribusinessmen were in the previous issue.)

FFA Central Region Vice President is **Wayne Humphreys** of Crawfordsville, Iowa. He is a member of the Winfield-Mountain Union FFA Chapter and brings to his national office experience as president of his local chapter and vice president of his state association. Wayne lives on a 320-acre corn and hog farm. He started with swine but reinvested his profits so that now he owns a herd of 25 registered beef cows and one registered bull. Wayne is paying his own way through college at Iowa State University where he is studying pre-veterinary medicine.

George Allen of Schaghticoke, New York, was elected as the North Atlantic Region Vice President. George has served as president of the Greenwich FFA Chapter and vice president of the New York Association. He was also president of his class for three years. Currently he is majoring in animal science at Cornell University and is serving as president of the agricultural college student council. George lives on a 700-acre crop and dairy farm which he operates in partnership with his father. His herd numbers 200 registered cattle.

Newly elected Vice President of the Pacific Region is **Daniel Dooley** of Hanford, California. Dan has served as president of his state FFA association and as high school student body president. He is studying agriculture at Fresno State College and is currently president of his college ag senate. Besides working on the family's 350-acre crop farming operation, Dan has experience as a soil conservation and engineering aide. He was twice a member of a national FFA champion judging team—livestock and meats. Dan's farming program includes registered beef cattle and sheep.

Jim Beard of Mounds, Oklahoma, is the new Southern Region Vice President. Jim lives on a 440-acre farm which he operates in partnership with his father. His major enterprises are a 40-head registered beef cattle herd and horses. He gained his leadership experience by serving as chapter president, chapter secretary, and president of the Oklahoma Association. He also worked on the Oklahoma Integrity Council on Health, served as high school student council president, and was valedictorian of his class. Jim is currently majoring in agricultural education at Oklahoma State University.

Highlighting the Convention

Judging Winners

State teams from Idaho, Kansas, Oklahoma, Minnesota, and Missouri shared top honors in the five livestock and animal products judging contests at the National Convention. The five high scoring individuals hail from Iowa, Illinois, Missouri, Oklahoma, and New Mexico. This year 193 three-member teams from 48 states participated in the contests.

Top teams and individuals are listed below in the order of their placings.

Dairy Cattle Judging

Gold Emblem Teams 1. Minnesota—Tim Martens, Randy Luthens, Irvin Duesterhoeft; Hutchinson. 2. New Mexico—Bill Gardner, Jimmy Judah, Gary Nunnally; Causey. 3. Kansas—Bennie Gehring, Dennis Gehring, James Schmidt; Moundridge. 4. New York—Richard Hansen, Robert Deblock, Gary Fairweather; Slate Hill. 5. Wisconsin—Al Bluske, Ken Moser, Gary Kirking; Viroqua. 6. North Dakota—John Cote, Ray Hall, James Bowers, Bottineau. 7. Oklahoma—Bobby Mitchell, Steven Mitchell, Neal Amey; Ripley. 8. Washington—Maynard Axelson; Mt. Vernon: Garry Sterk; Nooksack: Ken Walker; Stanwood. 9. Ohio—Dana Warner, Bob Bunnel, Dennis Bechtel; Fredericktown.

Five High Individuals 1. Gary Nunnally, Causey, New Mexico. 2. Frank Hancock, Lander Wyoming. 3. Dennis Bechtel, Fredericktown, Ohio. 4. Ken Moser, Viroqua, Wisconsin. 5. Dennis Gehring, Moundridge, Kansas.

Poultry Judging

Gold Emblem Teams 1. Kansas—Craig Good, Dave Nelson, Carl Griffee; Manhattan. 2. Wyoming—Dean Anderson, Dan Kirkbride, Carey Tsunemori; Albin. 2. Missouri—Stanley Floyd, Randy Harris, Eddie Williams; Licking. 4. Texas—Lynn Redden, Kelly Martin, John White; Corsicana. 5. Illinois—Leroy Albright, Terry Ard, Larry Blackerby; Herrick. 6. New Mexico—Bruce Altman, Leroy Minor, Ronny Jensen; Farmington. 7. Washington—Dennis Ingle, John Gross; Kelso: Bruce Valentine; Elma. 8. Oklahoma—Arliss Jordan, Mark Boyles, Mark Astell; Stillwater. 9. Florida—Rickey Keene, Rickey Langford, Mike Skirvin; Alachua.

Five High Individuals 1. Leroy Albright, Herrick, Illinois. 2. Craig Good, Manhattan, Kansas. 3. Dean Anderson, Albin, Wyoming. 4. Dan Kirkbride, Albin, Wyoming. 5. Mike Skirvin, Alachua, Florida.

Livestock Judging

Gold Emblem Teams 1. Oklahoma—Steve Griffin, Ken Starks, Allen Hybsha; Stillwater. 2. Minnesota—Dan Yonker, Tom Nielson, Bill Nielson; Jackson. 3. Virginia—Eddie Craun, Dale Myerhoeffer, Randy Simmons; Fort Defiance. 4. Iowa—Neil Hernan, Curt Schaub, Jeff Gordon; St. Ansgar. 5. New Mexico—Steve Fraze, Rickey Hargrove, Mickey Hargrove; Dora. 6. Kansas—Doug Deets, Keith Nulik, Kent Nulik; Arkansas City. 7. Utah—Steven Bearnson, Sidney Hansen, Jerry Lee Shepherd; Spanish Fork. 8. North Dakota—Don Baasch, Tim DeMers, Gerald Wettlaufer; Bottineau. 9. Wyoming—Geary Loyning, Doug Loyning, Craig Sorenson; Deaver. 10. Maryland—Gary Higgins, Terry Swope, Terry Toms; Hagerstown.

Five High Individuals 1. Neil Hernan, St. Ansgar, Iowa. 2. Curt Schaub, St. Ansgar, Iowa. 3. Ralph Puzey, Sidell, Illinois. 4. Steve Fraze, Dora, New Mexico. 5. Allen Hybsha, Stillwater, Oklahoma.

Meats Judging

Gold Emblem Teams 1. Idaho—Rodney Breshears, Ron Abbott, Tom Sells; Parma. 2. Oklahoma—William Shenold, Ben Kinduff, Terry Barefoot; Stillwater. 3. Florida—Ronnie Crawford, Kenny Gandy, Ann Tomkow; Dade City. 4. Minnesota—Cliff Gelderman, Tom Carstensen, Al Gilmore; Pipestone. 5. California—Alfred Santos, Jerry Souze, Mark Lopez; Santa Maria. 6. Illinois—Jesse Durbin, Lyle Flesner, Paul Tice; Shelbyville. 7. Iowa—Dave Dammen, Greg Havig, Larry Voight; Osage. 8. Arizona—Curtis Beaird, Danny Lawrence, Scott Morrison; Gilbert.

Five High Individuals 1. Ben Kinduff, Stillwater, Oklahoma. 2. Danny Toebben, Warrenton, Missouri. 3. Tom Sells, Parma, Idaho. 4. Rodney Breshears, Parma, Idaho. 5. Lylle Flesner, Shelbyville, Illinois.

Dairy Products Judging

Gold Emblem Teams 1. Missouri—Ramon Clayton, Mike Martin, Robert Cardwell; Licking. 2. Oklahoma—Edward Rodgers, Randall Fillmore, Dennis Ringwald; Ripley. 3. Utah—Lyle Godfrey, Tim Munns, Gary Manning; Garland. 4. California—Roger Mayfield, Roger Gomes, Tony Ferdolage; Hanford. 5. Kansas—John Peterson, Clyde Ribordy, Winston Moars; McPherson. 6. Wisconsin—Tom Cotter, John McGwin, Bruce Stelter; Montello. 7. Illinois—David Flesner, Dennis Hicks, David Kensil; Shelbyville.

Five High Individuals 1. Ramon Clayton, Licking, Missouri. 2. Mike Martin, Licking. Missouri. 3. Lyle Godfrey, Garland, Utah. 4. Robert Cardwell, Licking, Missouri. 5. Roger Gomes, Hanford, California.

National Judging Contests stimulated keen competition for over 600 members.

National Chapters

Sixty FFA Chapters were awarded the National Gold Emblem Chapter award for their superior performance in programs of activities relating to the vocational agriculture and FFA programs in their high school. In addition, 63 chapters were presented the Silver Emblem award and 20 chapters received the Bronze Emblem award.

National Gold Emblem Chapters

Alabama—Fairhope; Section. Arizona—Coolidge. Arkansas—Leachville; Mansfield. California—Ceres. Colorado—McClave. Connecticut—Housatonic Valley Chapter, Falls Village. Florida—Santa Fe Senior Chapter, Alachua; South Sumter Chapter, Bushnell. Georgia—Early County Chapter, Blakely; Patterson. Illinois—Harvard; Sycamore; Warren Chapter, Monmouth. Indiana—Brownstown Central Chapter, Brownstown; Clinton Central Chapter, Michigantown. Iowa—Audubon. Kansas—Concordia. Louisiana—Hessmer; Saline; Slidell. Maine—Limestone. Maryland—Gaithersburg. Michigan—Cassopolis. Minnesota—Faribault; Stillwater. Mississippi—Morton; Stone Chapter, Wiggins, Montana—Flathead Chapter, Kalispell. Nevada—Ruby Mountain Chapter, Elko. New Mexico—Clovis. New York—Barker. North Carolina—North Iredell Chapter, Olin; Southern Wayne Chapter, Dudley. North Dakota—A. S. Gibbens Chapter, Maddock; Williston. Ohio—Buckeye Valley Chapter, Delaware; Northwestern-Clark Chapter, Springfield. Oklahoma—Alex; Clinton; Collinsville; Guthrie. Pennsylvania—Chestnut Ridge Chapter, Fishertown; Cloister Chapter, Ephrata; Northern Lebanon Chapter, Fredericksburg. Rhode Island—Scituate Chapter, North Scituate. Tennessee—Bradley Chapter, Cleveland; Dayton. Texas—Nacogdoches; Van Vleck. Utah—Bear River Chapter, Garland; Gunnison. Virginia—Robert E. Lee Chapter, Appomattox; Montevideo Chapter, Penn Laird; C. T. Smith Chapter, Ladysmith. Wisconsin—Monroe. Wyoming—Buffalo Bill Chapter, Cody.

Chapter representatives and advisors were presented the Gold Emblem award.

Chapter Safety

The FFA presented Gold Emblem Safety awards to 24 local chapters and Silver Emblem awards for safety to 26 chapters. Bronze Emblem safety awards were presented to 20 chapters.

National Safety Gold Emblems

Alabama—Haleyville. Arkansas—Magnet Cove Chapter, Malvern. Colorado—Eaton. Florida—Santa Fe Senior Chapter, Alachua; South Sumter Chapter, Bushnell. Illinois—Warren Chapter, Monmouth. Indiana—Tri High Chapter, Straughn. Kansas—Fort Scott, Louisiana—Saline, Michigan—Ovid-Elsie Chapter, Elsie. New Jersey—North Hunterdon Regional Chapter, Annandale. New York—Salem. North Dakota—Williston. Ohio—Buckeye Valley Chapter, Delaware; Northwestern-Clark Chapter, Springfield; Talawanda Chapter, Oxford. Pennsylvania—Cloister Chapter, Ephrata. South Carolina—Bowman. Tennessee—Greenback. Utah—Gunnison. Vermont—Vergennes. Virginia—C. T. Smith Chapter, Ladysmith. Washington—Deer Park, Wyoming—Buffalo Bill Chapter, Cody.

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AGRICULTURE is a big money industry! It includes the $5 billion farm equipment industry, the $7 billion seed and feed industries, and the $2 billion fertilizer and lime industries. Agriculture annually uses 7 percent of the rubber produced, 2½ percent of the total electricity supply—enough to supply Baltimore, Chicago, Boston, Detroit, and Washington, D.C. for a year, and more than $4 billion worth of the petroleum used in the U.S.

Furthermore, agriculture's total assets have climbed to over $300 billion—equal to about two-thirds of the value of capital assets of all U.S. corporations or half the market value of all corporation stocks on the New York Stock Exchange. Agriculture is truly a big money industry.

It's also a big on people industry! The USDA estimates that the total payroll of the meat and poultry industry equals about $2 billion for some 300,000 employees. The baking industry is nearly the same in size and the dairy products industry is just slightly less with about 250,000 employees receiving over $1.5 billion annually. Similarly, fruit and vegetable processors and cotton manufacturers each pay out about $1 billion per year to another 300,000 agriculture employees. The U.S. government also employs close to one million people in the industry of agriculture.

Agriculture is the leader in serving the needs of consumers. Currently Americans spend about 7 percent of their income on food, totaling over $90 billion per year. Added to what is spent on agricultural fibers, outdoor recreation, and agricultural shelter products, Americans spend nearly half of their disposable income on agricultural products and services.

From the job and career standpoint agriculture is also an immense business. Many estimates stress that about one-third to two-fifths of the nation's labor force works in agribusiness. This means that about 30 million of the 84 million that make up the total U.S. labor force are employed in agricultural related occupations—not counting the production force of 3.6 million American farmers.

If you consider the overall aspects of agriculture—money, production, processing, consuming, and careers it becomes almost too big to comprehend.

Opportunities Available

In recent years career opportunities in agriculture have been accelerating at a rapid pace. However, in 1970 there has been a slight, but seemingly temporary, slow down in the number of jobs.

"Business is looking harder and longer at the type of training students have, analyzing the supply and demand carefully, and adjusting salaries accordingly," says Jack Shingleton, placement director at Michigan State University.

Backing up this general feeling is Ronald Kay, agricultural placement officer at Iowa State University. Fewer companies conducted interviews on college campuses in 1970 than last year, he reports. Companies are hesitant to expand their payrolls in anticipation of lower profits during the current inflationary period, he continued.

Reports from 68 colleges of agriculture should ease your mind, however. In a survey by the National Association of State Universities and Land-Grant Colleges no general surplus in any agribusiness field appeared. And this is in

(Continued on Next Page)

Agriculture--Big!

spite of a 4.1 percent increase in national agricultural college enrollment from 1968 to 1969.

A recent survey of Illinois, Iowa State, Kansas State, Lincoln, Michigan State, Minnesota, Missouri, Nebraska, North Dakota, Ohio State, Purdue, South Dakota State, Southern Illinois, and Wisconsin universities discloses another hopeful fact. It indicated that the ratio of agricultural jobs to Bachelor of Science graduates in the north central area was 1.7 to one.

On the high school and technical graduate scene gains in career opportunities have been phenomenal as of late. In Pennsylvania alone over 9,300 agricultural jobs become available to vo-ag students every year—2,300 in farming and farm management and 7,000 in agribusiness. According to job replacement reports only 2,500 replacements are now being supplied by both vocational and technical education within the state. In Alabama, while some 4,500 vo-ag students graduated last year, about 13,300 agribusiness opportunities open up annually.

Nationally a similar situation is true Reports from 36 states to the U.S. Office of Education indicate that 724,000 newly trained agricultural workers will be needed each year between 1970-74 by these states. Nationally only about 120,000 vo-ag students graduate each year, and over half of them continue their education or go into military service. Despite a 2 percent rise this past year in total vocational agriculture enrollment it will be a long time before the demand for agriculture technicians diminishes even slightly.

Top-Notch Careers

Some shifts in the types of jobs available are occurring. The U.S. Labor Department projects that of the nation's total job openings in 1975, there will be half again as many jobs in professional and technical occupations as there are now. That is, those requiring college or special trade training. Growth in the number of managers, officials, proprietors, craftsmen, and sales personnel are expected to climb by a rate of 20 to 25 percent.

On the other hand, the number of service occupations like waiters, custodians, and attendants will rise by a third. Operative jobs such as truck drivers, assemblymen, and tool operators will expand only 12 percent. Through the mid 1970's, all job openings will increase by a fantastic annual rate of 3.5 million, according to the Bureau of Labor Statistics.

The agriculture job situation is more sophisticated than most other industries. This year over 30 percent of the agricultural postitions offered were in sales and management in business and industry. Food science and teaching vocational agriculture provided the next highest number of career opportunities. For the lack of trained personnel, over 1,500 top level management positions go unfilled in agribusiness every year. And after all, this is what many of you will be shooting for.

Strong bidding is for students with some degree of specialization. The prime areas, according to the National Association of Land-Grant Colleges, include ag business, management, sales, education, food processing, and government.

Some 3,700 agriculture students with B.S. degrees, about 1,100 students with masters degrees, and approximately 600 with doctor degrees graduated from 14 Midwest colleges this past year. Of these, private industry hired 21 percent, 19 percent went on to graduate study, and 27 percent joined the military service. Other major fields employing these ag graduates were teaching, 10 percent; farming and farm management, 9 percent; and government work, 7 percent.

The breakdown of about 1,700 B.S. ag graduates from 11 universities in the West shows a somewhat different demand. There about 20 percent of the graduates continued their study, 16 percent went into the military, 15 percent entered business and industry, 13 percent returned to farms and ranches, 11 percent now work for government, and 10 percent are working in education and extension.

Starting in sales and moving up from there is where the majority of career opportunities lie, believes Dr. Emmit Hayes, animal scientist from Iowa State. In other words, he states, opportunities to start in administration-type positions are becoming scarcer.

Salary Trends

Inconsistent is the word for trends in starting salaries for agriculture graduates. High school and technical agriculture students are realizing greater increases in starting pay with each passing year. Meanwhile, 1970 college and advance graduates received smaller increases in starting salaries than the 1969 classmates did over 1968 graduates.

Average beginning pay to individuals with a high school education in agriculture has risen to a range of $280-$400 per month—and the potential to earn about $250,000 in a lifetime. Students with a two-year post high school degree can now receive monthly salaries of $350-$500 and earn over $300,000 in a lifetime.

From 1965 through 1969 starting salaries of agricultural graduates from midwestern colleges went up at an average of over 7 percent each year. In 1970, starting salaries increased only 5.5 percent over 1969 levels—B.S. grads averaging $685 a month, M.S. graduates received $820 per month, and Ph.D.'s obtained a per month wage of $1,081.

At Michigan State the largest increases in 1970 went to graduates working in accounting and finance—about 8 to 9 percent. Business and engineering students received only 3 to 4 percent average increases while those with general degrees averaged slightly less.

On the other side of the coin, the average salary for an agricultural graduate at Washington State University decreased slightly. Averaging a $7,807 starting salary in 1969, bachelor degree graduates received an average pay of $7,784 in 1970.

In general, salaries of bachelor graduates moved up from a year ago by about 3 to 5 percent. Master graduates generally realized 5 to 6 percent hikes, but Ph.D. degree holders obtained only 2 percent increases over 1969 scales.

Agriculture and You

Agriculture is the biggest industry in America and the world. Career opportunities are varied, responsible, and plentiful, but the gap between demand and supply of trained personnel is closing. Salaries will continue to rise, but more slowly.

To put it bluntly, the days of the company "courting" the graduate are coming to an end. Agriculture graduates—high school, technical, and college—are going to have to remain flexible and "court" future employers with their abilities, skills, and personality. Agriculture is big and ready to expand. Are you?

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What's It Really Like?

Comments by "workers" and "bosses" from across the country express what a career in agriculture can really mean.

By Jack Pitzer

Norbert Lohse, owner of trucking firm.

"I enjoy dealing with farm people, and it gives me a tremendous feeling of pride and satisfaction to be able to help them make a success of their livestock operations."

Ray Miller is a livestock market agent for the Rogers and United Commission Company in St. Paul. "A livestock feeder places a great amount of trust and responsibility in his market agent, and this makes the job one of the most challenging positions in agribusiness."

"There is a good future for any young man who wants to be a market agent providing he has qualifications for the job and is willing to work hard to be a success."

These statements reflect the enthusiasm and satisfaction a man has for his career in agriculture. We contacted folks all over America about "what they think of their particular job or career in agriculture."

We asked them to describe their experience so far in the agricultural career area they had chosen and to offer any advice. We asked for an honest look—good and bad—at their kind of agricultural career.

Ray Miller, livestock marketing agent.

Also we asked them to appraise the future career opportunities in their area of interest.

Recurring statements came out in our visits with people about the many satisfactions of ag-related careers like "a love of country life," and "a chance to work with rural people," and "being your own boss."

A statement by an assistant plant manager for Funk Bros. Seed Company in Rockville, Illinois, Wayne Schuler, is typical. He said his job was very rewarding—learning new skills and working along with many fine people.

Ralph "Buddy" Baird, a former FFA-'er from Georgia said, "I had always wanted a career that would be close to the land." He is now manager of a Federal Land Bank Association at Batesburg, South Carolina.

"It's a great career!" he says. "You can see the results of your work almost immediately as you help farmers to modernize their operations, add acreage, improve their farm buildings and homes."

Buddy has a B.S. degree in agriculture and training in land appraisal. "For a young man interested in a good life who has been farm-raised, there are great opportunities ahead in farm credit."

Norbert Lohse is a self-employed livestock hauler who owns and operates his own trucking firm. He is located in Minnesota and hauls livestock for small to medium size feeders in his area.

"What I like best about my job," he said, "is the fact that I'm fairly independent. I'm my own boss and I don't have to punch a time clock."

"As long as there's livestock, there will be a need for truckers to haul them." Also it does not require more than a high school diploma and can pay well.

Web Kumler is a petroleum salesman for FS Services, Inc., in Illinois. His job also has a "certain amount of independence and self-motivation." He advised that anyone interested in being a petroleum salesman for a farm supply cooperative should like to work with the public and have a general knowledge of agriculture.

Mr. Kumler also predicted that in the future a person in this profession will have to be better informed as to problems and available solutions.

David Myers is a salesman for Moorman Manufacturing Company. When asked what is was really like, he reflected, "You can manage your own time. You must be able to endure the elements. You must be service minded and be willing to listen."

Careers in agriculture that afford close working situations with farmers and other rural citizens are often attractive. A chance to help people and contribute are important assets for a career field.

Crockett C. Morris, Jr., is an assistant district forester in charge of fire control in his Virginia district.

"I have enjoyed my career as a forester. The real desire in a man is to help someone . . . my reward is being able to help a forest landowner plan for his forest crop of trees, presenting forest fire prevention programs to school children, teaching vo-ag students how to manage their farm woodlot, talking to adult groups in the country so they'll have an appreciation and understanding about resources of their state and nation."

Statements about the benefits of a farm background came up frequently on our survey. Some of the folks we talked with, however, learned about agriculture after they started working.

Rayma Kreider, associate editor of

(Continued on Page 16)

Link Yourself With Opportunity

How do you decide what career is for you?

By Ron Miller

BEFORE you can decide on a career you need to know *how* to link yourself with an opportunity. Dr. John Thompson, Vocational Teacher Educator at the University of Wisconsin, suggests the following four-step process for career exploration.

1. *Self-Understanding*—What are my abilities, interests, aspirations, and goals? How can I measure these characteristics or traits?

2. *Work Classification*—How is the world of work classified? What terms are used to describe jobs and their requirements? What kind of agricultural and other careers are there available?

3. *Relationships Between Self and Work*—How can I compare my interests and abilities to the world of work? How can I link myself to the opportunities in agriculture or some other field? Where can I apply my talents?

4. *Career Planning*—How can I appropriately plan for a career? What can I do to get prepared for present and new opportunities in the world of work?

Using this framework, let's see how you can begin your search for a rewarding satisfying career.

Self-Understanding

Don't take understanding yourself lightly. "It is quite a frustrating experience to prepare for a career and ultimately discover that one's interest and major personality characteristics are not compatible with the career he has chosen," warns Eldon Steiner, Director of Employee Relations, FS Services, Inc., Bloomington, Illinois.

You may have already taken many career guidance tests in high school. They can help you discover what your interests, abilities, aptitudes, potentials, aspirations, and skills really are. Such tests can tell you what you like or dislike about the outdoors, mechanics, computations and sciences. They can also inform you of your persuasive, literary, clerical and social service ability.

Aptitude tests which rate you by comparing you with other students will also help you to understand yourself. Vocational and occupational inventory tests are others that can show you more about your interests. Analyzing your activities in FFA, vo-ag, high school, and at home further help you to expand your self-analysis.

Jonathan Holman, Educational Relations Coordinator, Pfizer, Inc., recommends that any job applicant look at his personality and ambitions as well as his educational background or he may not be satisfied with the position he finds himself in. Thus, it is indeed important to determine which of your interests are vocational and which are recreational.

Work Classification

Classifying work is the most tangible aspect of career exploration. Workers are usually categorized as professional, technical, unskilled, white collar, and blue collar. However, work should also be looked at in terms of the nature of jobs, trends in industry, aptitude and educational requirements, salary, promotional opportunities, and other data like personal qualities, special health requirements, and age limitations.

Employers define work in still other ways. The Wisconsin State Employment Service categorizes work by whether the employee works with ideas, people, things, or combination of two or all of these categories. C. R. Ordal, Vice President for Personnel at New Holland Division, Sperry Rand Corporation, explains, "Particular jobs call for specific skills. Service trainees must prove they have mechanical ability. Computer programmers must demonstrate reasoning potential. Market analysts need research interest and aptitudes."

Where can you find sources for studying the classifications used in the world of work? The *Dictionary of Occupational Titles*, a complete source for all types of vocations, the *Career Index*, published monthly, and the *Occupational Index*, published quarterly, are available in most libraries for career exploration and guidance. Taking notice of employee titles and jobs being performed, not just the equipment, while touring companies and plants is another way to learn about occupations. Your vo-ag teacher, high school counselor, or college adviser can direct you on where to learn more about work classification in specific vocations.

Relationships Between Self and Work

O. W. Randolph, Manager of Public Relations at Moorman's Manufacturing Company, Quincy, Illinois, expresses what employers generally see as the relationship between job and applicant. "We look for about five things in job candidates. The ability to get along with people. The ability to realize that learn-

(Continued on Next Page)

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What's It Really Like?

(Continued from Page 14)

New Holland's monthly farm publication, had nine years' teaching experience behind her when she joined the staff, and admitted she had to do some catching up.

"There's a lot happening in agriculture and agribusiness and if you find the changes and trends as exciting as I do, I'd highly recommend a career in farm reporting."

But most people in agriculture "bank" on their farm background!

Dr. C. E. Burt and his partner are veterinarians. They work at the St. Paul Union Stockyards. "A compassion—and a real liking—for animals is naturally essential for being a good veterinarian. Of course there is the extensive educational requirements to face." But, "across the board the demand is strong for young veterinarians in all fields—large to small animal practice, to researchers and scientists."

Ray Morgan is a market reporter with the USDA. The livestock prices you read or hear daily are the responsibility of men like him.

"There is quite a bit of diversity in my job and every day is a different situation." He says he likes being a part of the livestock industry and working with livestock people.

Of course some folks stay on the farm for their career.

A. Ruben Edwards raises purebred Hampshire hogs and Angus cattle. "The purebred business has been extremely rewarding to me. With the encouragement of my vo-ag teacher, Mr. T. C. Wells, and my family, I found what I really wanted to do in life."

"I wanted to produce a better pig."

"There is a tremendous need for good hard thinking, hard working young men in the purebred business. There has never been a better opportunity."

No one we talked to said anything to us about trying to discourage young people from selecting a career in agriculture.

Frank W. Thorp is a district sales manager for Funk's. When asked what the AgriOPPORTUNITIES would be for young people in a few years, he said, "Only as good as their desire to help meet the needs of our fast changing agricultural industry. Slumps and peaks typify agriculture and it requires people who can be adaptable."

He predicted that "the most challenging jobs directly related to farming will never be eight-to-five jobs." He further encourages young men—and women—to take advantage of junior colleges that can provide technical training to prepare them for the many needed agricultural occupations.

As indicated by their comments, reflections, and suggestions, the future looks good if . . . you are willing to work hard, like agriculture, like its people, prepare yourself with an adequate educational or technical base, have a career goal, like rural life, and feel a desire to serve America.

Link Yourself

(Continued from Page 15)

ing has not stopped after formal schooling. We like someone who enjoys what he is doing. We like him to perform the old-fashioned, out-of-date word, 'work.' Finally, we look at the skills that he brings with him."

Will the career opportunity satisfy your goals? Will it be rewarding and fulfill your feelings for serving people? Will it meet your physical needs? Does the opportunity offer growth qualities you are looking for? And do your attitudes and habits match up or link with those needed in the vocation? Will the particular agribusiness field, for example, prove intellectually stimulating and creative to you? These are all questions that you alone must answer.

Career Planning

When you've selected a top career choice and a couple of alternatives you might like to submit your decisions to others. Because you have done your career homework, your parents, vo-ag teacher, counselor, and close friends can better suggest how you can meet the requirements of your vocational choice.

Your planning will include specific high school courses, probably post educational training, job application experience, and part-time jobs. Trying many different fields in your vo-ag occupational experience program is another way to supplement your training. Competing in art, writing, welding, judging, and speaking contests that relate to your career choices are additional ways for gaining experience.

You may find that all of your original career choices fail to satisfy your desires. And undoubtedly you will occasionally want to find out more about other types of vocations. Likewise, you will need to learn more about yourself as you progress.

Therefore, in most cases you may have to go through some of the stages in the career selection process again. In fact, throughout life there is a continual interplay between the outlined steps involved in career exploration.

Putting this four-step plan or something similar into action can lead to a more suitable and enjoyable career. Now that you know the *how*, it's up to you to link yourself with a career.

Career Booklets

FOR more information about careers in agriculture you may request booklets from these agricultural organizations. Single copies of booklets may be requested either ***free*** or at the ***noted price*** from the addresses listed—***not*** from the magazine. You may also write the organizations for quantity prices.

Agronomy: *Careers in Agronomy, Crop Science and Soil Science.* Free from American Society of Agronomy, 677 South Segoe Road, Madison, Wisconsin 53711.

Animal Science: *A Career in Animal Science.* Single copy, 20 cents, from American Society of Animal Science, 113 North Neil Street, Champaign, Illinois 61820.

Census: (1) *Your Future With the Census Bureau;* (2) *Professional Careers with the Census Bureau;* (3) *Fact Finder For the Nation.* Free from College Relations Officer, Bureau of the Census, Washington, D.C. 20233.

Conservation: *Conservation Careers.* Single copy, $1.50, from Soil Conservation Society of America, 7515 N.E. Ankeny Road, Ankeny, Iowa 50021.

Engineering: (1) *Agricultural Engineering and You;* (2) *Agricultural Engineering.* Free from American Society of Agricultural Engineers, St. Joseph, Michigan 49085.

Entomology: *Entomology—An Exciting Scientific Career.* Free from Entomological Society of America, 4603 Calvert Road, College Park, Maryland 20740.

Equipment Industry: *Your Career; a place in the farm and industrial equipment industry.* Free from Farm and Industrial Equipment Institute, 410 N. Michigan Avenue, Chicago, Illinois 60611.

Equipment Manufacturing: *Head for Opportunity with the 250 "Shortliners."* Free from Farm Equipment Manufacturers Association, 230 S. Bemiston, St. Louis, Missouri 63105.

Equipment Retailing: *Careers in Farm and Power Equipment Retailing.* Free from National Farm & Power Equipment Dealers Association, 2340 Hampton Avenue, St. Louis, Missouri 63139.

Feed Manufacturing: (1) *60 Million Tons of Opportunity in Tomorrow's Animal Agriculture.* (2) *Miracle in the Supermarket.* Free from American Feed Manufacturers Association, 53 West Jackson Boulevard, Chicago, Illinois 60604.

Forestry: (1) *The Challenge of the Forest.* (2) *So You Want to Be a Forester.* (3) *Opportunities Unlimited.* Free from National Forest Products Association, 1619 Massachusetts Avenue, N.W., Washington, D.C. 20036.

Fisheries: *Fisheries As A Profession.* Free from American Fisheries Society, 1040 Washington Building, Fifteenth & New York Avenue, N.W., Washington, D.C. 20005.

Journalism: *Is there a Career in Agricultural Journalism for you.* Prepared by American Association of Agricultural College Editors. Single copy, 15 cents, from Mr. Dick Lee, 1-98 Agriculture Building, University of Missouri, Columbia, Missouri 65201.

Peace Corps: (1) *Peace Corps/Farmers.* (2) *Agriculture. The Fight to Feed a Hungry World.* (3) *The Peace Corps Role in Food Production.* (4) *The Peace Corps: How and Why.* Free from Peace Corps, 806 Connecticut Avenue, Washington, D.C. 20525. Attention Mr. Gary Sukow.

Poultry Science: *Careers in Poultry Science.* Inquiries for copies should be directed to: Dr. C. B. Ryan, Secretary-Treasurer, The Poultry Science Association, Texas A&M University, College Station, Texas 77843.

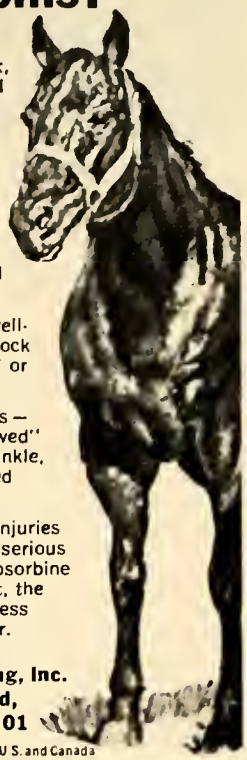
Rangeland Management: *Career Opportunities in Rangeland Resource Management!* Free from American Society of Range Management, 2120 South Birch Street, Denver, Colorado 80222.

Teaching Vocational Agriculture: *Opportunities in Teaching Vocational Agriculture.* Published by the Agricultural Education Division of the American Vocational Association. Available free from National Vocational Agricultural Teachers' Association, Inc., Box 4498, Lincoln, Nebraska 68504.

Veterinarian: (1) *Today's Veterinarian.* (2) *Career Facts About Today's Veterinarian.* Free in quantities of less than 25. From American Veterinary Medical Association, 600 South Michigan Avenue, Chicago, Illinois 60605.

Wildlife Conservation: *A Wildlife Conservation Career for You.* Limited quantity. Free from The Wildlife Society, Suite S176, 3900 Wisconsin Avenue, N.W., Washington, D.C. 20016.

Does your horse have these symptoms?



1. Stiff-gaited walk, or refusal to stand on all four legs are general symptoms of lameness. Check horse over carefully.

2. Swelling and heat on front of foreleg from knee to ankle. It's called "bucked shins."

3. Soft, painless swelling around the fetlock is called "windgall" or "windpuff."

4. Swollen tendons — swelling gives a "bowed" look from knee to ankle, so it's called "bowed tendon."

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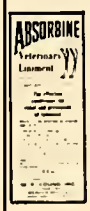

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Your Education

There are many opportunities for an education in agriculture.

By Wilson Carnes

EDUCATION is the key that unlocks the door to a career in agriculture. But where do you get this education?

The answer will depend on your career plans. Before you can plan your education, you must first decide on at least a tentative career objective. You may change your plans along the way but get started in the right direction. Once you make a tentative career choice and check out the educational requirements, you will have many questions answered for you.

Because of the national scope of this magazine, we cannot give you specific information about educational opportunities where you live. We can, however, provide you with a general guide of where to go for your education in agriculture.

High School: You are probably already enrolled in the vocational agriculture course at your high school. This is a good place to begin your education in agriculture. Vocational agriculture is taught in over 8,000 of the nearly 26,000 public secondary schools in the United States. At one time these courses were heavily oriented to production agriculture, and many still are in the major farming and ranching areas, but in the Vocational Education Act of 1963 the Congress provided for the expansion of instruction programs in agriculture by including training in the off-farm agribusiness occupations. Just last year the FFA awards program was revised to reflect these new areas of agricultural opportunity. In many schools vocational education programs offer agricultural training in production, supplies, mechanics, products (processing and marketing), ornamental horticulture, agricultural resources, forestry, and preprofessional.

Area Vocational Schools: By 1969, 1,300 area vocational schools had been constructed and another 1,000 were in the works. When completed, they will make all types of vocational and technical education programs available to the nation's youth and adults, particularly in rural areas. Secondary students can spend a half day at the area school in vocational training, and the other half of the school day at their home schools. Programs for out-of-school youth and adults may be offered on a full day and/or evening basis. In some of these, employees from industry will supplement the skills of the vocational agriculture teacher.

Postsecondary Schools: The word postsecondary is an educator's term for after high school. It is used here to describe a number of different types of schools such as junior colleges, community colleges, and area vocational technical institutions that offer programs beyond the high school level. Both the number of postsecondary schools offering vocational education programs in agriculture and enrollment have increased at a rapid rate in recent years. Basically these schools offer programs designed to prepare students for entry into an agricultural occupation at the technical level as well as the first two years of college for those students who wish to transfer to a four-year college or university to earn an ag degree.

Four-Year College or University: If your career objective requires a college degree in agriculture, you have a choice of going to one of the 68 land-grant institutions, or one of the many degree-granting institutions where you can specialize in agriculture. If you do not already know of these schools, your FFA advisor can tell you which colleges offer degrees in agriculture in your section of the country. After you have received your bachelor's degree, you may decide to pursue graduate study and get an advanced degree. There is plenty of time to make this decision so don't sweat it now unless you have your career objective in mind and know that an advanced degree is required. While in college you may decide to change your specialization, or you may find greater opportunity in an area you did not know about when you first enrolled in college.

Continuing Education: Once you are on the job, you may find it is desired or required that you continue your education. You have to keep up to date, you are working for that promotion, you want to improve your skills, or any number of a variety of reasons. If your job in agriculture is with business or industry, your company may provide a part or all of this training; or you may find it is available in one or more of the schools mentioned here. Night classes, short courses, seminars, and workshops may be available. In addition, for those who remain in production agriculture, there are the adult and young farmer classes conducted by many of the high school departments of vocational agriculture.

Whatever your goal in agriculture, there is probably an educational program tailored to your needs. Start the search to find it and join a dynamic and challenging industry.

Completing your education in agriculture can be a rewarding experience.
USDA Photo

THE CHAPTER SCOOP

news, notes, and nonsense from everywhere

by Jack Pitzer

An inventory of everything owned by the chapter was made by *Tyndall,* South Dakota, FFA.

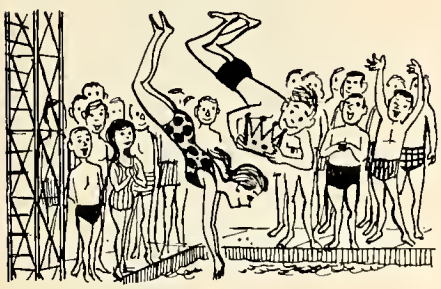
N-N-N

This summer, *Milbank,* South Dakota, FFA played in city softball league.

N-N-N

Lawrence County, Alabama, FFA at Moulton put up four signs along main highways, "Cows Out? If so . . . Help! Notify Owner." "Courtesy local FFA Chapter."

N-N-N



"Our sweetheart was crowned at a swimming pool party." *Sully,* Iowa.

N-N-N

Jesse Finnegan, member of *Chestnut Ridge,* Pennsylvania, FFA built a podium for his school. Used podium of National FFA Convention as his model.

N-N-N

Glen Rose, Texas, Chapter has organized an FFA Rodeo Club.

N-N-N

Mt. Whitney FFA, Visalia, California, picked up 4,000 cans and two truck loads of trash on a clean up project.

N-N-N

Shady Spring, West Virginia, sent a member to Europe on a study tour.

N-N-N

Decorah, Iowa, Chapter bought a half-page ad in athletic program.

N-N-N

Wolcott, Indiana, Chapter invited school music director to attend National FFA Convention. He had helped with chapter's talent group.

N-N-N

Chapter sweethearts of *Gaithersburg,* Maryland, baked pies and cakes for sales. Helped chapter earn money to send president to National Convention.

N-N-N

Picking up apples and pressing cider has become weekly hobby for *Spencerville,* Ohio, FFA. They've picked up 160 bushels of apples and sold 400 gallons of cider at 75 cents a gallon.

N-N-N

To cut down on mud around ag building, *Lamar,* Texas, FFA laid six yards of pea-gravel concrete.

Here's an idea. Sell Halloween insurance to citizens for 75 cents. Then if they get soapy windows or the like, FFA chapter will come over and clean up.

N-N-N

In July, safety committee of *St. Edward,* Nebraska, Chapter put up a display showing safe use of a hay baler.

N-N-N

Storrs Regional FFA in Connecticut installed indoor plant display financed by school's recent graduating classes.

N-N-N

After a *Centerville,* South Dakota, Chapter meeting, Dr. Pascale, the local doctor, gave a talk on first aid.

N-N-N

Hurley, Missouri, barbequed game that members brought in—squirrels, rabbits, quail, ducks, and a deer.

N-N-N

Malvern, Iowa, hosted supper at a local cafe for all those who contributed equipment or supplies for corn plot. FFA gave report on costs and yields.

N-N-N

It took 24 members of the *Hundred,* West Virginia, Chapter over 300 hours to collect 30,000 lbs. of unhulled walnuts from 17 farms for fund raising project.

N-N-N

The turkey raffle of FFA chapter at *Eastern Northampton* County Vo-Tech School in Pennsylvania, netted $130.00.

N-N-N

Lingle, Wyoming, FFA invited FHA members to regular chapter meeting. Purpose: FHA'ers wanted to observe good parliamentary procedures of FFA.

N-N-N

Main items of business at October meeting of *Wessington Springs,* South Dakota, FFA was assignment of members to program of work committees.

N-N-N

Can your chapter help with local blood donor drives? Check into it.

N-N-N

A member of *Hampshire,* Illinois, won a Betty Crocker Homemaker of Tomorrow award - **Linda Conro.**

Chapter reporter, **Sid Lindholm,** reports on initiation of Greenhand and Chapter Farmer of *Deer Park,* Washington. FHA served refreshments.

N-N-N

Ledyard, Connecticut, FFA designed and built their own trailer to haul heifers to local fairs.

N-N-N

FFA WEEK is in February. Be sure your chapter has a committee at work making plans now.

N-N-N

All members of *New Sharon,* Iowa, now display the "FFA Member Lives Here" signs!

N-N-N

Thirty-seven bikes were inspected and safety emblems applied by *Akron,* Iowa.

N-N-N

Members of *Iliff,* Colorado, picked potatoes at local farms for fund raising.

N-N-N

Woodstown, New Jersey, members distributed pumpkins to hospitals and rest homes. Fellow school students helped decorate 'em.

N-N-N

Flathead, Montana, renovated buildings on their chapter farm—mostly remodeling and painting.

N-N-N

New Honorary Chapter Farmer of *Montevideo,* Virginia, FFA is program director of local radio station.

N-N-N

Enumclaw and *Buckley,* Washington, Chapters teamed up and ran a barbecued chicken concession at an area fair.

N-N-N

Robert Chacon, reporter of *Gallina,* New Mexico, FFA writes about their exchange student member, **Mahomet Alvarado** of Caracas, Venezuela. They have nicknamed him "Tito."

N-N-N

Keep shoveling helpful ideas, humorous experiences, and reports of latest chapter happenings into the basket. Other chapter members will appreciate knowing what you're up to.

1970 National Proficiency Winners

By Ron Miller

PROFICIENCY award recipient were selected by a panel of judges representing many agricultural businesses, trade associations, and organizations in the nation. A different panel of judges chose the national winner in each proficiency area. For the first time, regional winners were interviewed at the National Convention.

As a national award winner each student receives a $250 FFA Foundation check. Each winner also shares a fund of $350 with the three other respective regional winners to help defer travel expenses. Regional proficiency winners each receive a $200 check from the FFA Foundation.

Agribusiness

Winner of the Agribusiness Proficiency award was Wayne Morris of Fullerton, California. Wayne maintains 500 bee colonies of his own and helps his father in the operation of another 1,600 colonies. Their operation is known as Cal-Mont Apiaries and includes complete facilities for honey extraction, wax production, and storage in California and Montana. Regional winners in agribusiness were: Dan Martin, a meat cutter from Santa Fe Senior FFA, Alachua, Florida; Jerry Pettit, a job lawn mower from Marshall FFA, Michigan; and Steve Glabach, a farm service salesman of Brattleboro, Vermont.

Crop Farming

The Crop Farming Proficiency honor was awarded to Jackie Irvin of Wingate, Indiana. The Coal Creek Central FFA member operates 947 acres in partnership with his father and rents 270 acres of his own. Jackie raises corn, soybeans, and wheat, and has obtained corn yields of 110 bushels per acre and soybean yields of 37 bushels per acre. Regional winners in Crop Farming were: Bruce Teets, Eglon, West Virginia, Aurora FFA member; Larry Muller, Dallas, Oregon, Perrydale FFA'er; and Rex Cole of Altus, Oklahoma.

Dairy Farming

Richard Petrea, Iuka, Illinois, member of the Salem FFA, was named winner of the FFA National Dairy Farming Award. Richard helps his brothers manage a 95-acre farm and a 58-cow registered Jersey herd. He owns 27 of the cows and is a member of the DHIA. He is now attending nearby Rend Lake College, majoring in agricultural production. Ted Graff, Delta, Colorado; David Galley, Walton, New York; and John DeBusk, Jr., Saltville, Virginia, a member of the Shorthorn Chapter, won the dairy awards in their regions.

Agricultural Mechanics

The Agricultural Mechanics award went to Sheldon Huls of Oxford, Ohio. Sheldon started a lawn mower repair shop and gradually developed it into a farm equipment repair business. During his senior year in high school he also enrolled in a mechanics course at Miami University of Ohio. He is currently attending Lincoln Technical Institute in Indianapolis, Indiana. Elton Romine from Rogersville, Alabama; James Wood of Falls Village, Connecticut, a member of the Housatonic Valley FFA; and Steven DeFord of Fairfield, Washington, a member of the Liberty FFA, are the other regional mechanics winners.

Farm and Home Electrification

The Farm and Home Electrification award was presented to Charles Holz of Rippey, Iowa. The East Greene FFA member has wired silo unloaders, power mains, lights, motors, controls, outlets, and switches. Charles entered Iowa State University at Ames and is studying veterinary medicine. Section, Alabama, FFA member Royce Jones; Damascus, Maryland, member Timothy Beall, and Ruby Mountain (Elko) FFA'er Jim Sustacha, Lamoille, Nevada, received regional recognition.

Forestry

The Forestry Proficiency award was presented to an Alder, Washington, FFA member. He is David Thureson, manager of an 80-acre farm near Mt. Rainier. He has 40 acres under production for Christmas trees and produces nearly 24,000 Christmas trees annually. David is using his earnings to attain a degree in agriculture at Washington State University. Regional winners were: Ira Hartwick, Bloomfield, Iowa; Kevin Hall, Germantown, Maryland, Gaithersburg FFA; and Roy Mills, Goldsboro, North Carolina, of the South Wayne Chapter.

Home Improvement

Winner of the Home Improvement Proficiency award was Gary Depperman of New Haven, Missouri. Improvement on the 203-acre home farmstead by Gary included building an addition to the farmhouse, graveling driveways, building fences, and constructing a barn. He also does finishing work on cabinets, doors, and shelves. Limestone, Maine, FFA'er Paul Durepo; Freedom, Oklahoma, member Leland Coles; and Weber FFA member Steve Zuech, Ogden, Utah, were regional winners.

Livestock Farming

Evergreen, Alabama, member Gerald Salter was presented with the Livestock

Farming award. Gerald operates a large hog business of 15 sows, 2 boars, and 875 head of feeder pigs on 5 acres of his own land and 100 acres of leased land. Gerald is enrolled in junior college and hopes to attend Auburn University and study vocational agriculture education. Michael Sachs, East Wenatchee, Washington, member of Eastmont FFA Chapter; Russell Neale, Jr., Walton, New York, member; and Ronald Roth, Green, Kansas, Clay Center FFA member, received the regional awards.

Natural Resources Development

The Natural Resources Proficiency award was presented to Jeff McKenzie, Section, Alabama. He developed 40 acres of wooded and rolling land for producing pulpwood and preserving wildlife on the 240-acre home farm. Development and improvement of crop land has paid off in 152-bushel yields of corn per acre for Jeff. He also built two ponds for watering livestock. Regional Natural Resource winners were: Skipper Adams, Douglas, Arizona,

FFA; Raoul Lufbery, Lyman Hall Chapter, Wallingford, Connecticut; and Wayne Enger, St. James FFA Chapter, Minnesota.

Ornamental Horticulture

Ted Kornder, winner of the Ornamental Horticulture Proficiency award, hails from Belle Plaine, Minnesota. Ted raises 2½ acres of gladiolus and peonies on his father's 165-acre farm. He markets exotic varieties in St. Paul and is currently attending the University of Minnesota, majoring in horticulture. Ted also assists his father with the garden crop operation. Catherine Macallister, Bordentown, New Jersey, member of the Northern Burlington Chapter; Paul Knopp, Canby, Oregon, FFA member; and Mike Mitchell from Locust Fork, Alabama, member of the Gardendale FFA, received regional recognition.

Placement in Agricultural Production

Recognition for Placement in Agricultural Production went to Jerry Bradley of Modesto, California. For his work experience on Arravan Farms, Jerry manages 250 acres of carrots and receives 5 percent of the gross for his work. In addition, he is paid an hourly wage for additional work on the farm. The Ceres FFA member also raises his own beef cattle and tomatoes. James Friend, Terra Alta, West Virginia; Jimmy Brannon, Hartford, Alabama; and Rex Warner, Greenville, Ohio, gained regional honors.

Poultry Farming

Crossville, Alabama, member Steve Adams received the Poultry Farming Proficiency award. In partnership with his father, Steve produces 250,000 birds annually. He operates on contract and averages about 98 percent livability in his flocks. Steve owns 60 acres with his father and 40 acres of his own. Carl Blackham, Moroni, Utah, North Sanpete member; Dennis Sargent, Bradford, Ohio, member; and Daniel Hommel, Beaver Springs, Pennsylvania, West Snyder FFA'er, received the regional poultry awards.

Soil and Water Management

Winner in the Soil and Water Management Proficiency area was Ron Anderson of Pleasant Grove, Utah. On the home farm of 260 acres Ron constructed 7,600 feet of field drains for conserving water and 7,000 feet of concrete ditches for irrigation. He also leveled smaller fields into one 70-acre field. Receiving the regional awards were: John Russin, Millerton, New York, Housatonic Valley FFA; Robert Strong, Jr., Bushnell, Florida, South Sumter Senior Chapter; and Michael Shive, Summer Shade, Kentucky, Metcalfe County FFA.

"Merry Christmas, Mom!"

STUMPED over what to give Mom for Christmas? We have the answer . . . a subscription to *Farm Wife News.* It's the nicest way to tell Mom you love her six times a year (the magazine will be mailed to her every other month beginning in January).

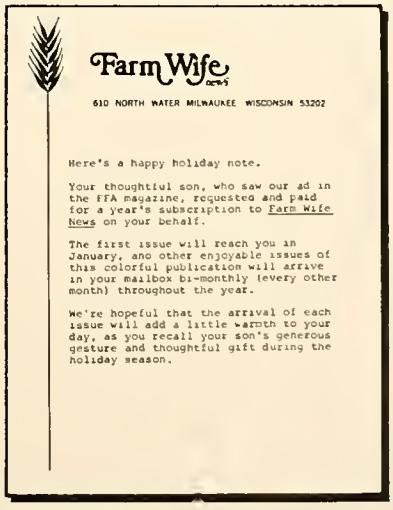
This all-new, 4-color magazine was launched late this fall to fill the gap left by major farm magazines, some of which have eliminated Women's Sections completely, and others of which have drastically reduced such sections. The response to *Farm Wife News* has been fantastic—one out of every five farm women sent a sample issue immediately responded with a paid subscription.

Little wonder. Farm women are delighted to finally have *their own* publication, and they love the contents of this 24-page, 4-color, fact-packed (no ads) publication—rural recipes, sewing tips, household hints, legal advice, decorating ideas, *all of them gathered from other farm women!*

You can have *Farm Wife News* sent to your mother at the special holiday rate of $3.00 per year (normal subscription price is $5.00). *Plus,* we'll send your mother a nice note (shown reduced below), so that she'll know your thoughtful gift is on the way.

A subscription is as close as your phone. Just dial this *toll-free* number, 1-800/553-9550* and simply give our friendly FWN girl your mother's name, address and zip code, and ask us to bill you at the same address. Or, if you prefer, simply *print* your mother's name and address on a piece of paper, enclose $3.00 (or ask us to bill you), and send it to the address below. (*Special Note to Iowans: The telephone subscription service is still free, but Iowans should dial their operator and place a Collect Call to Area Code 319/242-1867.)

This year, give Mom a gift she'll *really* appreciate . . . give her a subscription to a magazine edited solely and wholly for *her.*


Farm Wife news

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Here's a happy holiday note.

Your thoughtful son, who saw our ad in the FFA magazine, requested and paid for a year's subscription to Farm Wife News on your behalf.

The first issue will reach you in January, and other enjoyable issues of this colorful publication will arrive in your mailbox bi-monthly (every other month) throughout the year.

We're hopeful that the arrival of each issue will add a little warmth to your day, as you recall your son's generous gesture and thoughtful gift during the holiday season.

Farm Wife news

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FFA IN ACTION

Wayne Burk and his advisor Ralph Harvey in the ring with Wayne's champion.

Champion Showman

Wayne Burk, who gets around on crutches, showed the grand champion entry in the FFA market hog show at the Kansas State Fair. He also showed a brother of the state champion at the Linn County Fair and took championship honors.

Wayne, who was crippled by a spinal tumor at the age of two, raised and trained a 235-pound hog which won over a field of 52 entries. "Just because I'm on crutches I don't want anybody to pay me any favors for it," said Wayne while tending to his show stock.

Wayne entered the hog business only a year ago. "I started out with four show pigs last summer and bought some registered stock last fall," he said. He and his father now have about 40 head of registered Hampshires in partnership. In addition, Wayne has three polled Hereford cows, a bull, and three calves.

As president of the Prairie View FFA, located outside of LaCygne, Kansas, Wayne inspires other FFA members to work harder. *(Earl Wineinger, Assistant State Supervisor)*

FFA Receives Citation

FFA was one of ten youth organizations that received a special citation from Keep America Beautiful, Inc. at the "Salute to Youth" luncheon of the national litter-prevention organization's Seventeenth Annual Meeting.

According to President James C. Bowling who presented the citations: "These groups have contributed immeasurably to the furtherance of the overall movement to improve outdoor environment through litter-prevention."

KAB President Bowling noted that "these dedicated organizations are doing everything possible to make our hope of a litter-free America come true. As a result, literally millions of young people, and their parents, have become involved in all types and kinds of anti-litter projects in both rural and urban areas in all 50 states."

Now That's A Fair

FFA activities at the Minnesota State Fair attracts lots of attention for FFA and agriculture. The biggest attractions are special events held in the Children's Barnyard area of the fair.

Winner of the first FFA sponsored Turkey Gobbling contest at the fair was a 33½ lb. bird named Mac. Mac outgobbled his nearest opponent, Mark, 150 to 105. The third rival, a weak-throated rival named Tim Tom, managed only 84 gobbles. Judges rated the caged birds on their tonal quality as well as number of gobbles. Mr. Robert Carlson, Minnesota Commissioner of Agriculture, was the presiding judge. The gobblers had 20 minutes to do their gobbling for contest points.

The FFA's third annual interstate Rooster Crowing contest was won by a relatively unheard of bird from Crosby, Minnesota. He beat the leading Minnesota contenders as well as those brought in from Wisconsin.

Another big battle in the FFA Children's Barnyard area was the dual milking contest. A local TV celebrity beat past state FFA Secretary Bruce Rydeen by milking his two faucets dry first!

The Children's Barnyard is designed with special railings in the Kiddies' Alley so the little ones can see even with adults standing up by the fences. Over 60 percent of the visitors are adults. The estimates are 3½ million people visited the Barnyard and exhibit area since 1956. Main features are chicks, ducklings, lambs, and piglets. Blue and gold baby chicks ride a ferris wheel in one of the exhibits.

A Sound-off-Slate (SOS) and a Talk-in Telephone were two methods the Minnesota FFA used to get comments from the public about environment, pollution, and anti-smoking. Governor LeVander spoke into the old-fashioned telephone to tell his views on pollution.

In addition to the Barnyard activities there is an FFA chapter house nearby. An "Open House" was held there this year for all FFA members—past and

(Continued on Page 24)

The caged turkeys in the FFA Gobbling Contest at left had twenty minutes to perform. Below are examples of citizen suggestions for environmental improvements and pollution control. Governor LeVander of Minnesota visited the FFA Barnyard area and spoke into the phone.

As you can see, participation in the cooperative dairy chain is extensive.

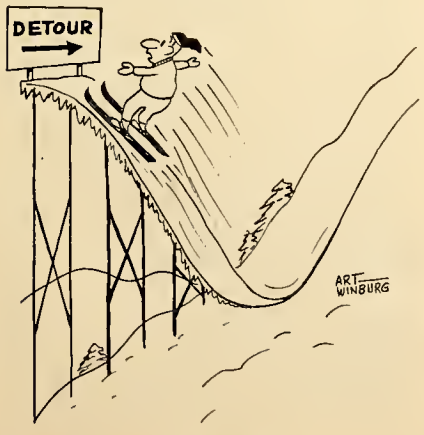
THE Saline FFA Chapter in Louisiana has 20 registered Jerseys in their chapter dairy chain. This cooperative chapter chain has been in operation for a number of years and provides registered Jerseys to any chapter member with minimum housing and feeding facilities.

The dairy chain committee must approve applications for these registered animals. The committee also obtains properly signed agreements and sees that rules and regulations are carried out by members receiving the animals.

If the requirements of the cooperative chain are not met the chapter reserves the right to place the calf in the hands of another owner. This action can be taken on the recommendation of the chain committee and a majority vote by the FFA members.

The Saline Chapter furnishes students with a six-month-old registered heifer. The member cares for the calf, feeds a balanced ration, and keeps accurate records. He must include the calf in his supervised farming program and show the calf at a fair.

The calf becomes the property of the FFA member when he pays back the dairy chain by returning a calf of the same age. He must also register the calf in the name of the new owner and fulfill this requirement within one year after the member graduates from high school. *(Bo Weaver, Reporter)*



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FFA in Action

(Continued from Page 22)

present, advisors, and friends of FFA. Minnesota's governor and the newly-named Princess Kay of the Milky Way were special guests.

That's Our Advisor

FFA members of Howard County Vocational Technical Center in Clarksville, Maryland, visited Bolling Air Force Base this summer. The main purpose of the event was official ceremonies to honor their advisor, Air Force reserve Colonel Frank R. McFarland.

Mr. McFarland received the Air Force Commendation Medal for his contributions to the landscape and beautification of Bolling Air Force Base. The medal singled out the Colonel's contributions in the area of agronomy, horticulture, and entomology.

As a lieutenant in World War II, Mr. McFarland was responsible for salvaging a large supply of plant materials that were originally designed as a camouflage project. That project was scrapped, but the leftover plants were put to effective landscape and beautification uses. The teacher-colonel has continued his landscaping efforts during his career as a reserve officer.

These FFA members toured Bolling Air Force Base with their colonel advisor.

The FFA members were invited to tour the base after the ceremony. They observed some of the landscape projects on the base, ate at an Air Force dining facility, and toured the base facilities.

Trouble Shooters

Eric Miller and Jon Mollnow of Perry Central FFA in New York won the Small Engines Trouble Shooting Contest held at the Eastern States Exposition in West Springfield, Massachusetts. They competed against 12 other state teams.

The contest consisted of a 40-minute written examination which tested the contestants' knowledge of mechanics, plus a second test on their ability to gather information from an engine manual. This was followed by a 40-minute practical examination where the contestants had to correct malfunctions in the engine itself.

These FFA'ers beat 12 state teams in a small engine trouble shooting contest.

Judges from the Briggs Stratton Corporation furnished 12 engines and made "bugs" in them. Loose head bolts, damaged needle valves, improper ignition settings were only a few of the corrections that had to be made before the engines would run.

The New York team got their engine running in 19 minutes, and beat the other teams on the written portion of the contest. Eric Miller, 19 and a freshman at Alfred Tech, is studying business management. Jon Mollnow is a senior at Perry Central and plans to study mechanics next year. He is also the president of the Perry FFA Chapter. *(John Keller, Advisor)*

My Aching Back!

Gilmer County, West Virginia, FFA Chapter cranked out 1,272 gallons of homemade ice cream during the 1970 Mountain State Art and Craft Fair, held at Cedar Lakes.

Thirteen members and their advisor worked during the five-day fair, which had over 50,000 people in attendance this year. The chapter used 7 tons of ice, 1,060 pounds of sugar, 2,500 pounds of salt, 525 gallons of milk, and over 200 dozen of eggs in producing nearly $3,000.00 worth of ice cream.

The 12 members cranking the freezers managed to turn out an average of 35¼ three-gallon mixes during the five days. One member must have set a record when he cranked out 38 mixes in one day. Many spectators, including a 10-year-old girl, joined the FFA members in hand-cranking ice cream from the three-gallon freezers.

The FFA members were housed at Cedar Lakes during the fair. Thomas Crafton, Gilmer County Chapter Advisor, says the group plans to have a homemade ice cream booth at the fair again next year.

SPORTRAIT

By Stan Allen

GEORGE Blanda, veteran place kicker of the Oakland Raiders, kicked a 52-yard field goal with just three seconds left to give the Raiders a 23-20 win over Cleveland, November 8. Amazingly, Blanda is 43 years old and playing in his twenty-first year of pro football.

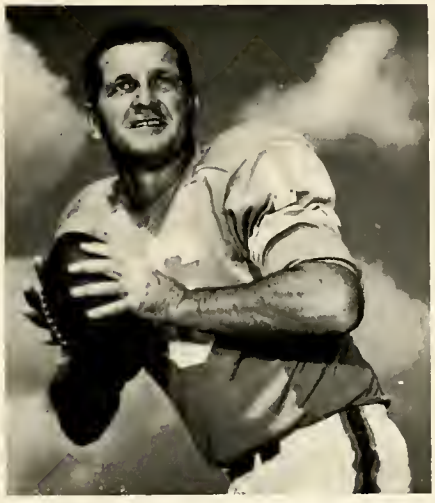
It's more amazing what he did when he had to take over quarterbacking after Daryle Lamonica was hurt late in the fourth quarter. George took the Raiders 80 yards in 8 plays, climaxed by a clutch 14-yard TD pass to Warren Wells. He then kicked the extra point to tie the game. He was really racked up two plays before he made his winning kick, too.

Blanda is making a habit of storybook finishes as he kicked a 48-yard field goal in the last seconds a week before to give the Raiders a tie against Kansas City. The week before that he took over for an injured Lamonica and completed 7 of 12 passes, which gained 148 yards and 3 TD's, and added a field goal and 4 extra points in the Raider win.

George was drafted by the Chicago Bears in 1949 after an outstanding record at the University of Kentucky. Before that, he was a three-letter man at the Youngwood, Pennsylvania, High School where he was on the football, track, and basketball teams. Blanda had good size with his 6-foot, 1-inch, 200-pound frame and the Bears signed him as a quarterback and linebacker. He rode the bench most of the first three years as the Bears had two other fine quarterbacks.

In 1953 George made the starting team and he completed 169 of 362 passes for a 47 percent average, 2,124 yards and 14 touchdowns. A shoulder injury cost him his job in 1954, but he stayed with the Bears the next four years as their place kicker. George knew he was a good quarterback and riding the bench caused him to hang up his cleats in 1958.

Blanda signed with Houston in 1960 when the American Football League was formed. He was an instant hit in Houston as the old pro picked the enemy defenses apart for 169 completions in 363 tries for 2,413 yards and 24 TD's. With 15 field goals, 46 extra points, and 2 TD's he scored himself, George led the Oilers in scoring with 115 points to help them win a division and AFL Championship the first year.



Coming from behind in the last seconds is almost a habit with George Blanda.

In 1961 his passes gained 3,340 yards and 36 TD's, both league marks; and he also kicked 16 field goals and 64 extra points to help Houston win the two titles again. Blanda was named the AFL Player of the Year.

Blanda led the Oilers to their third straight division title in 1962 and came back in 1964 to have his best season. He completed 262 of 505 passes that year, both league records, gaining 3,282 yards and throwing for 17 TD's. George did a fine job at quarterback while with the Oilers as he completed 1,347 of 2,785 passes that gained 19,154 yards and passed for 165 TD's. He also threw seven TD passes in one game to set an AFL record and tie the NFL mark.

Oakland needed a place kicker in 1967 and obtained Blanda in a trade. It has been a good deal for them as he has kicked 155 extra points, 61 field goals, and scored 338 points in his three years with them. His job as backup quarterback speaks for itself.

George Blanda was named to the AFL All-Star Team four times and holds many AFL passing and kicking records. He has played in 241 pro football games in his first 20 years and completed 1,843 of 3,872 passes that gained 25,965 yards and 224 TD's. Blanda has booted 703 extra points in 712 tries and has 240 field goals to score 1,477 total points, one of the few to go over the 1,000 mark.

The experts don't predict George's retirement now, they just wonder in amazement how long he will go on.

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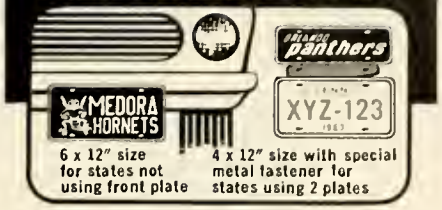

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HAVE YOU HEARD THIS ONE

Having refused to eat his cauliflower, Tommy was sent away from the table. Later his sympathetic sister asked, *"Poor Tommy, is your little heart broken?"*

"I wouldn't be surprised," Tommy said, *"and my stomach isn't in very good shape either."*

Jeff Wurst
Whitmore, California

Jimmy had trouble pronouncing the letter "R" so his teacher gave him this sentence to practice at home: *"Robert gave Richard a rap in the ribs for roasting the rabbit so rare."*

A few days later the teacher asked him to say the sentence for her. Said Jimmy, *"Bob gave Dick a poke in the side for not cooking the bunny enough."*

Patty Shimel
Merrill, Wisconsin

Two ladies were talking about marriage. One lady to the other: *"I have been married four times, the first time was to a millionaire, second, to an actor, third, to a preacher, and fourth, to an undertaker."*

The other lady: *"Oh, I get it. One for the money, two for the show, three to get ready, and four to go."*

Darlene Spears
Jasper, Alabama

Teacher, rapping on desk: *"Order, please!"*

Sleepy voice from back row: *"Hamburger with fries for me."*

Kim Morelan
Nerstrand, Minnesota

"Last night when the chiggers started biting, I followed your suggestion and used peroxide."

"How did it work?"

'Not too well, now we have a lawn full of blond chiggers."

John H. Dromey
Baring, Missouri

Teacher: *"How would you punctuate the sentence, 'I saw a girl walking down the street?' "*

Bud: *"I'd make a dash after the girl."*

Phyllis Kastner
Douglas, North Dakota

Father: *"It's a terrible thing. I sold my car and mortgaged my farm just to send my son to college. And all he does is dance and take girls to parties."*

Neighbor: *"You're regretting it, eh?"*

Father: *"You're darn tootin'. I should have gone myself!"*

Cindy Boyden
Faulkner, Maryland

Lady to tramp: *"If you are begging a favor you might at least take your hands out of your pockets."*

Tramp: *"Well, the truth is, lady, I am begging a pair of suspenders."*

Henry Frison
Miller, Virginia

"Your hair is much too long. I'm going to take you to the barber tomorrow."

"But I was there last week."

"What did he do, fertilize it?"

Dwight Larson
Story City, Iowa

Classified ad: *"Lion tamer wants tamer lion."*

Dale Higdon
Somerville, Alabama

A man walked into a talent booking agency and said: *"I imitate birds."*

The owner replied, *"Bird imitators are a dime a dozen, please leave."*

So the man flew out the window.

Sam Kafer
LaHogue, Illinois

"My father can beat up your father!" a little boy threatened his playmate.

"Big deal!" sneered the other moppet. *"So can my mother!"*

Robert Alvarado
Knippa, Texas

Dave: *"What grows on a piece of land ten miles long and one inch wide?"*

Bert: *"Spaghetti."*

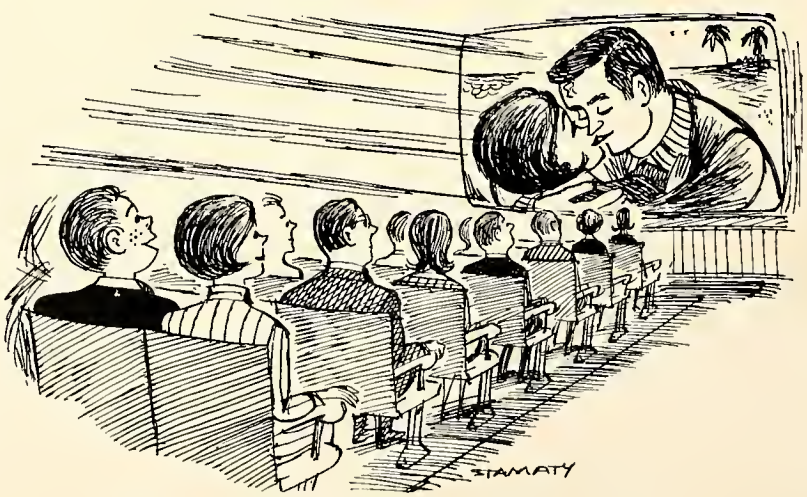
Bert Welch
Harrisville, West Virginia

An Indian watching water skiing for the first time asked, *"Why boat go so fast?"*

The second Indian said: *"Man on string chase him."*

Monty Chase
Marshall, Arkansas

Charlie, the Greenhand



"Why don't they show this kind of movie in vo-ag?"

Bore: *"Speaking of Africa makes me think of the time . . ."*

Bored: *"You're right. I had no idea it was this late. Good-bye."*

Walter Johnson
Greenville, South Carolina

Judge: *"What do you have to say for yourself?"*

Prisoner: *"I say I wish I was in a place where there were no traffic cops."*

Judge: *"Granted. Thirty days."*

Randell Blakemore
Farmersville, Texas

Bobby: *"My neck is as stiff as a pipe, my head is like a lump of lead, and my nose is all stuffed up."*

Doctor: *"You don't need a doctor, you need a plumber."*

Donald Spell
Kenly, North Carolina

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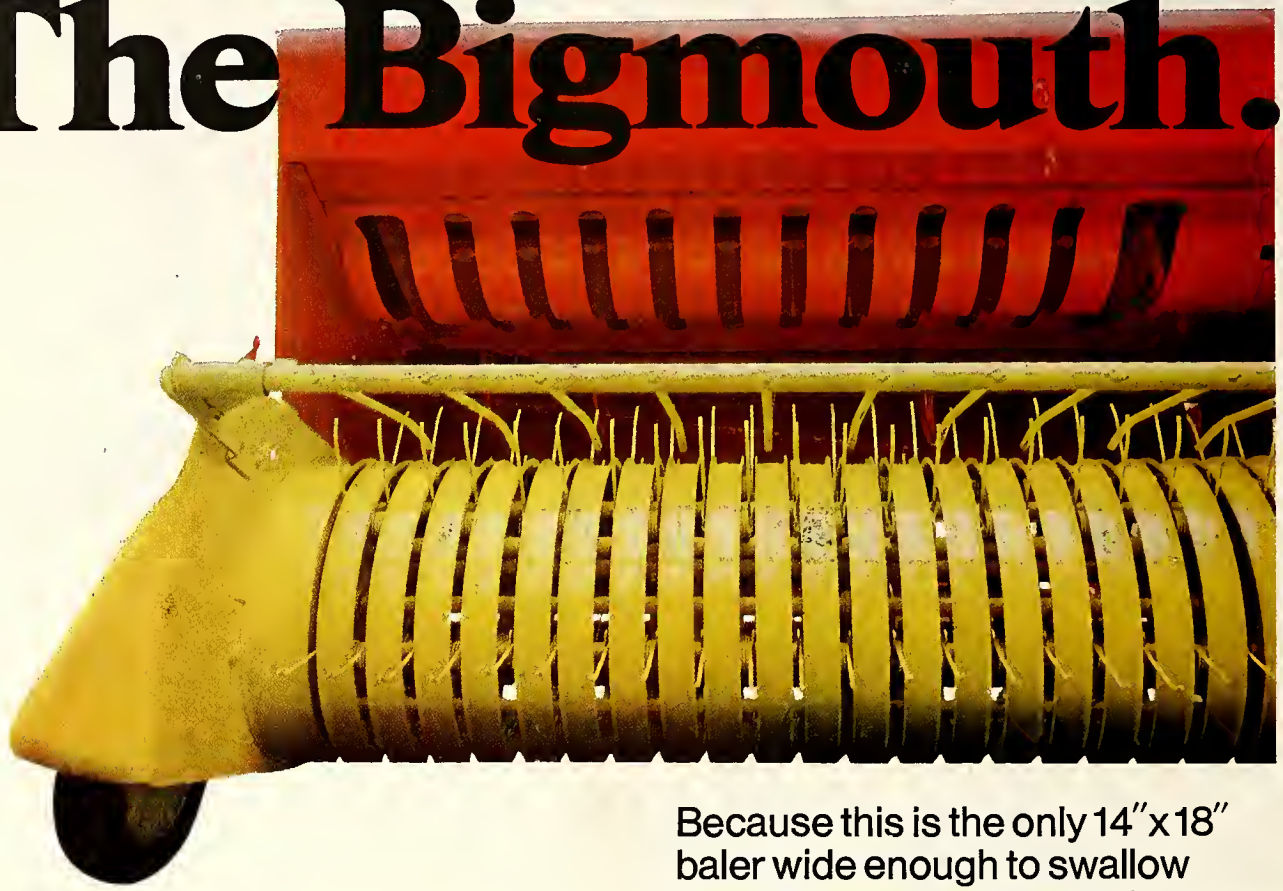

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